YAMAHA

# RX-V661

7.1-Channel Digital Home Theater Receiver

NEW PRODUCT BULLETIN

## 7.1-channel home theater receiver with an amazing array of features including Yamaha's new SCENE, 1080p-compatible HDMI, improved YPAO sound optimization and iPod compatibility.

DIGITAL ToP·ART

Brilliant Audio: Titanium

HDMI · DOLBY DIGITAL·EX PRO LOGIC IIx · dts Digital Surround Neo:6 | 96/24 | ES · 8CH EXT. INPUT

CINEMA DSP DIGITAL · SILENT CINEMA · compressed music ENHANCER · SCENE · YPAO

### 1 Advanced Features

- 4 SCENE buttons on front panel and remote unit offering easier operation
- iPod compatible via optional Yamaha YDS-10
- iPod song titles displayed on front panel and OSD (On-Screen Display)
- Improved YPAO supporting low frequency to 31.5Hz with auto setup
- Preset remote unit with illuminate buttons
- Superior multi-zone control compatibility

### 2 High Sound Quality

- 7-channel 910W powerful surround sound (130W x 7, max)
- Pure Direct for high quality sound reproduction
- Digital ToP-ART and High Current Amplification
- HDMI Ver. 1.2a with support for Super Audio CD
- Burr-Brown 192kHz/24-bit DACs used in all channels
- Assignable amplifiers for bi-amp connection

### 3 High Picture Quality

- 1080p-compatible HDMI (2 in/1 out)
- Video upconversion and component video output with TBC (Time Base Corrector)
- 3 HDTV compatible component video inputs

### 4 Surround Realism

- Upgraded CINEMA DSP with 17 DSP programs
- Compressed Music Enhancer
- Night Listening Enhancer (Cinema/Music) and SILENT CINEMA
- Audio Delay for adjusting lip-sync (0–160ms)

| 17 DSP Programs | |
|---|---|
| **Compatible Decoder Straight** | |
| | Dolby Digital |
| | Dolby Digital EX |
| | DTS Digital Surround |
| | DTS-ES Matrix 6.1 |
| | DTS-ES Discrete 6.1 |
| | DTS 96/24 |
| | Dolby Pro-Logic |
| | Dolby Pro Logic II Music |
| | Dolby Pro Logic II Movie |
| | Dolby Pro Logic II Game |
| | Dolby Pro Logic IIx Music |
| | Dolby Pro Logic IIx Movie |
| | Dolby Pro Logic IIx Game |
| | DTS Neo:6 Music |
| | DTS Neo:6 Cinema |
| **HiFi DSP Programs** | |
| CLASSICAL | Hall in Munich |
| | Hall in Vienna |
| | Chamber |
| LIVE/CLUB | Cellar Club |
| | The Roxy Theatre |
| | The Bottom Line |
| STEREO | 7 Channel Stereo |
| **CINEMA DSP Programs** | |
| MOVIE | Standard |
| | Spectacle |
| | Sci-Fi |
| | Adventure |
| | Drama |
| | Mono Movie |
| ENTERTAINMENT | Sports |
| | Action Game |
| | Roleplaying Game |
| | Music Video |
| **DSP Program Total** | **17** |

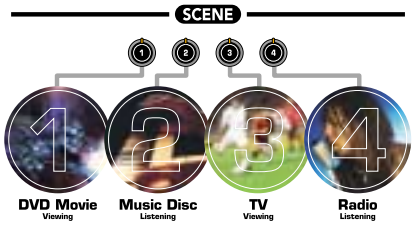
●: HiFi DSP Programs ●: CINEMA DSP Programs
●: Tri-Field CINEMA DSP ●: Quad-Field CINEMA DSP

# RX-V661 7.1-Channel Digital Home Theater Receiver

## Advanced Features

### SCENE — A New Level of Operating Ease

Four SCENE buttons make operating the receiver easier than ever. They are initially set to default settings for DVD Movie Viewing, Music Disc Listening, TV Viewing and Radio Listening. Pressing a SCENE button automatically launches a number of operations that initiate play of the source controlled by that button. Other SCENE settings are also available, such as iPod Listening, TV Sports Viewing and Action Game Playing. Browsing and selecting the settings is quickly accomplished by rotating the Input knob and watching the on-screen display. The settings can be selected for one-time use, or they can replace the original default settings. The SCENE names can be changed also.




### Improved YPAO Sound Optimization

The RX-V661 has an improved YPAO system that automatically selects the crucial frequency bands for the listening room, and adjusts the level of the selected bands to create a cohesive sound field in the room. You can vary the type of the parametric equalizer adjustment among Natural, Flat and Front.

### Independent Operation of Zone 2

You can enjoy sound in a separate room (Zone 2) because the RX-V661 provides Zone 2 audio output. Furthermore, Zone 2 power amplifier assignability and speaker terminals mean that Zone 2 can be fully independent with its own 2-channel power, while you still enjoy 5.1-channel sound in the main room.

## High Sound Quality

### Digital ToP-ART with Superior Audio-Grade Parts and Devices Used Throughout

Yamaha's Digital ToP-ART concept combines the latest and best technologies, parts and circuit designs to maximize sound quality. These include an 8,200µF custom-made block capacitor (1), high grade Burr-Brown DACs (2), and two direct signal path speaker relays (3) and other high quality audio-grade parts (4). High Current Amplification uses superior components to achieve high current power and low impedance from the power supply to the speaker terminals.

### Pure Direct for Highest Sound Quality

Pure Direct is a special receiver mode that causes the signal to bypass all but the most basic audio circuitry, and even turns off the display to prevent any chance of noise interference. It provides the purest possible high-fidelity sound from all sources including HDMI inputs.

### HDMI Ver. 1.2a with support for Super Audio CD

This receiver incorporates the High-Definition Multimedia Interface (HDMI) 1.2a specification. Listeners can enjoy crystal-clear, digital audio quality via a single HDMI cable, including Super Audio CD.

## High Picture Quality

### 1080p-Compatible HDMI Inputs and Output

This receiver features dual HDMI inputs and one output that support 1080p (1,920 x 1,080 progressive) resolution so users can connect two HDMI sources, such as a DVD player and a high definition set-top box, and enjoy the highest possible quality with a 1080p display.

### Video Upconversion and Component Video Output with TBC

The RX-V661 is equipped with high-definition video upconversion circuitry incorporating high-performance video encoder/decoders from Analog Devices. A Time Base Corrector (TBC) transforms degraded analog video signals into a stable format for distortion-free viewing.

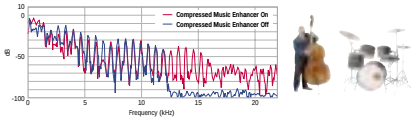
## Surround Realism

### Upgraded CINEMA DSP Programs

Yamaha's popular CINEMA DSP programs have been upgraded for this receiver. Action and Roleplaying games deliver awesome sound with the latest game machines. Other programs have been fine-tuned for even better sound and revised for easier selection.

### Compressed Music Enhancer

When music is encoded in a digital compressed format such as MP3, frequency response suffers in the high and low ranges. Yamaha employs sophisticated digital signal processing with exclusive algorithms, enabling faithful reproduction of the original music, for the excellent sound quality expected from top class receivers.




The Compressed Music Enhancer restores the original, live sound of your music, especially deep, strong sounds like bass and drums.

### Other Notable Features

- On-screen display
- Burr-Brown 192kHz/24-bit DACs used in all channels
- Assignable amplifiers for bi-amp connection
- Initial Volume Setting and Maximum Volume Setting
- YPAO Setup Menu appears with then YPAO mic is plugged in
- 3 HDTV compatible component video inputs
- Aluminum front panel
- iPod song titles displayed in English and Western European languages ISO 8859-1 (Latin1) on the front panel and on-screen display
- High-performance CINEMA DSP LSI (64-bit floating point quantization)
- Night Listening Enhancer (Cinema and Music), SILENT CINEMA and Virtual CINEMA DSP
- Dialogue Lift for dialogue to screen centre
- Audio Delay for adjusting lip-sync (0–160ms)
- Preout terminals for front, center, surround and surround back, and subwoofer out
- 9 selectable subwoofer crossover frequencies
- Subwoofer phase select
- Front panel Video Aux input terminals with optical digital and S-Video input terminals
- Analog mixdown
- 8-channel external decoder input
- Preset remote unit with illuminate buttons
- Phono input
- Speaker A, B, A+B selection
- Sleep timer
- 40-station preset tuning / Auto preset tuning

**Universal Dock for iPod**

**YDS-10**

The optional YDS-10 Universal Dock lets you connect your iPod to this receiver. You can listen to your iPod music and watch iPod images and movies on your monitor via the receiver. You can also operate your iPod via the receiver's remote unit with the On-Screen Display and charge your iPod.

Made for iPod

*iPod not included*

Works with: iPod nano, iPod mini and iPod (Click/Wheel)

| | | |
|---|---|---|
| Inputs | HDMI | 2 |
| | Dock Terminal for YDS-10 | 1 |
| | Optical Digital (Fixed and Assignable)* | 4 |
| | Coaxial Digital (Fixed and Assignable) | 2 |
| | S-Video* | 5 |
| | Analog A/V / Audio* | 5 / 3 |
| | Component Video (Fixed & Assignable) | 3 |
| | Multi-Channel External Decoder | 8 ch |

| | | |
|---|---|---|
| Outputs | HDMI | 1 |
| | Analog A/V / Audio | 2 / 1 |
| | Optical Digital (Fixed and Assignable) | 1 |
| | S-Video | 2 |
| | Component Video Monitor | 1 |
| | S-Video / Composite Monitor | 1 / 1 |
| | Speaker (without subwoofer) | 7 ch / 9 ter. |
| | Subwoofer | 1 |
| Others | Zone 2 Audio Out | 1 |
| | Remote In/Out | 1 / 1 |
| | Trigger Out | 1 |

* Including front panel Video Aux terminals.

• Banana-plug compatible speaker terminals are not available in some areas.

**Main Specifications**

| | |
|---|---|
| Maximum Power (8 ohms, 1 kHz, 10% THD) | |
| Front L/R Channels | 130 W |
| Center Channel | 130 W |
| Surround L/R Channels | 130 W |
| Surround Back L/R Channels | 130 W |
| Dynamic Power (1 kHz) | |
| 8/6/4/2 ohms | 120/155/190/235 W |
| Damping Factor | |
| (8 ohms, 20 Hz–20 kHz) | 120 (speaker A) |
| Frequency Response | |
| 10 Hz—100 kHz | +0, -3 dB |
| Total Harmonic Distortion (CD, Front Sp Out) | |
| (50 W/8 ohms) | 0.06% |
| Signal-to-Noise Ratio (CD) | 100 dB (250 mV) |
| Monitor Out Frequency Response | |
| Component Video Signal | 5 Hz—60 MHz -3 dB |
| Standby Power Consumption | 0.1 W |
| Dimensions (W x H x D) | 435 x 171 x 393 mm |
| Weight | 11.6 kg |

Gold finish available in some areas.

d-cinema Yamaha takes cinema digital

"d-cinema" is the slogan of Yamaha A/V products and technology, reflecting our focus on digital technology and our leadership in creating and refining digital home theater.

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